

Converting Colors

XYZ(37.3017, 59.3494, 19.8802)

Have a look what the booklet for
XYZ(37.3017, 59.3494, 19.8802)
contains.

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Color

**XYZ(37.3405, 59.3940,
19.8521)**

Conversions

Conversions Part 1

Format	Color
Hex	7BE25D
RGB	123, 226, 93
RGB Percent	48%, 89%, 36%
CMY	0.5176, 0.1137, 0.6353
CMYK	0.46, 0.00, 0.59, 0.11
HSL	106°, 70%, 63%
HSV	106°, 59%, 89%
XYZ	37.3405, 59.3940, 19.8521
YIQ	180.0410, -18.6950, -63.1990

Conversions

Conversions Part 2

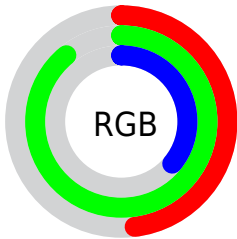
Format	Color
RYB	93, 226, 196
Decimal	8118877
CIELab	81.51, -54.09, 54.71
CIELCh	82, 76.935, 134.676
Yxy	59.3940, 0.3203, 0.5094
Android (android.graphics.Color)	4286308957 (0xFF7BE25D)
YUV	180.0410, -42.9112, -50.0250
Hunter-Lab	77.0675, -48.3819, 38.6745

Details

The XYZ color **37.3405, 59.3940, 19.8521** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **40.4100, 25.0576, 74.6615**, and the grayscale version is **43.6362, 45.9087, 49.9945**.

A 20% lighter version of the original color is **60.0825, 83.4503, 40.5446**, and **16.7745, 29.9462, 6.7298** is the 20% darker color. If you saturate the color by 10%, you get **34.2001, 57.8759, 15.2300**, and if you desaturate by 10%, it is **41.2272, 61.2662, 26.0553**.

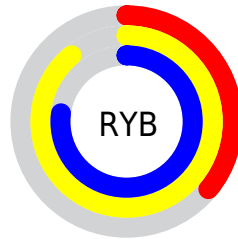
Distribution



Red (48%)

Green (89%)

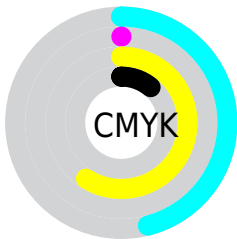
Blue (36%)



Red (36%)

Yellow (89%)

Blue (77%)

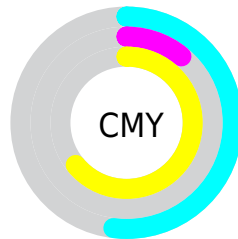


Cyan (46%)

Magenta (0%)

Yellow (59%)

Black (11%)



Cyan (52%)


Magenta (11%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3405, 59.3940, 19.8521 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 37.3405, 59.3940, 19.8521 by changing the saturation by 10% instead.


 37.3405, 59.3940,
19.8521


 37.3405, 59.3940,
19.8521


326.1123,
422.3605, 263.6910


 25.6461, 42.9304,
12.1046


 70.4066, 103.9501,
44.0248


 16.6904, 29.8305,
6.6915


 92.5090, 132.8113,
61.2870

 10.1079, 19.7100,
3.1944


 118.8115,
166.5739, 82.5579

 5.5334, 12.1844,
1.1948

 149.6794,
205.6222, 108.2560

 2.6014, 6.8694,
0.0000

185.4781,
250.3406, 138.7998

 0.9467, 3.3805,
0.0000

226.5729,

 0.0000, 1.3335,

301.1135, 174.6079

0.0000

273.3292,
358.3253, 216.0988

■ 0.0000, 0.1669,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3405, 59.3940,
19.8521

■ 37.3405, 59.3940,
19.8521

■ 34.2001, 57.8759,
15.2300

■ 41.2272, 61.2662,
26.0553

■ 31.7509, 56.6813,
12.0422


■ 45.9017, 63.5059,
33.9612


■ 29.9365, 55.7866,
10.1213


■ 51.4073, 66.1346,
43.6841


■ 28.6793, 55.1574,
9.2096


■ 57.7828, 69.1702,
55.3272

 28.5614, 55.0983,
9.1297

 65.0646, 72.6293,
68.9861

 73.2868, 76.5276,
84.7499

 82.4819, 80.8800,
102.7023

 86.4876, 82.8752,
106.0459

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9567, 59.3940, 11.1937



37.3405, 59.3940, 19.8521



31.5212, 59.3940, 43.9294

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.3405, 59.3940, 19.8521



48.6492, 59.3940, 193.6506



92.0658, 59.3940, 44.6835

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.3405, 59.3940, 19.8521



40.4100, 25.0576, 74.6615

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9401, 59.3940, 91.0861



37.3405, 59.3940, 19.8521



64.6762, 59.3940, 194.1913

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.3405, 59.3940, 19.8521



37.1525, 59.3940, 149.3335



81.1745, 59.3940, 150.5780



81.4909, 59.3940, 20.1771

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.3405, 59.3940, 19.8521



30.8486, 59.3940, 72.1809



81.1745, 59.3940, 150.5780



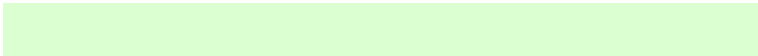
93.3299, 59.3940, 57.6990

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.3419, 59.3965, 19.8534



76.6306, 91.2587, 73.9624



52.8501, 55.9771, 18.3760



15.8451, 19.2682, 14.8015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.3419, 59.3965, 19.8534



44.0360, 75.6439, 18.7495



35.6396, 58.2935, 29.9583



13.8165, 15.4856, 14.5676



16.3783, 31.4758, 5.2122



1.2125, 2.2216, 0.3649

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.4100, 25.0576, 74.6615



48.2759, 26.4322, 97.1653



44.6333, 27.7402, 52.0259



13.9769, 13.7716, 17.3092



18.0284, 8.3893, 41.7175



1.3247, 0.6202, 2.8951

Previews

White Background



This preview shows how the XYZ color 37.3405, 59.3940, 19.8521 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.3405, 59.3940, 19.8521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

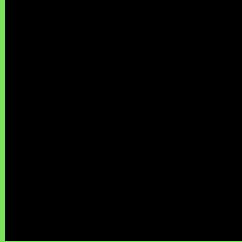
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3405, 59.3940, 19.8521

Background



This preview shows how black text looks on a background with the XYZ color 37.3405, 59.3940, 19.8521.

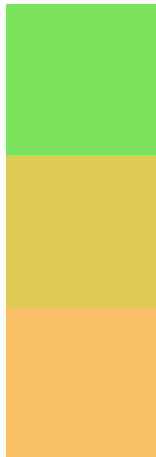


This preview shows how white text looks on a background with the XYZ color 37.3405, 59.3940,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.3405, 59.3940, 19.8521

Protanopia

53.5407, 58.7602, 17.3241

Deuteranopia

59.6556, 58.4527, 20.9703



Tritanopia

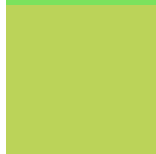
49.8991, 59.0400, 82.8946

Trichromacy



Original Color

37.3405, 59.3940, 19.8521



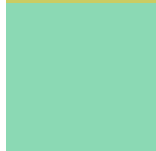
Protanomaly

45.5910, 57.8746, 18.2192



Deuteranomaly

48.2021, 56.6431, 20.1971



Tritanomaly

43.6985, 58.4100, 52.1511

Monochromacy



Original Color

37.3405, 59.3940, 19.8521



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.6096, 49.4416, 35.4725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3405, 59.3940, 19.8521 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(123, 226, 93)` looks like.

```
.text, #text, p{  
    color:rgb(123, 226, 93)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(123, 226, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 226, 93) }
```

Border

The CSS property to change the border of an element to XYZ 37.3405, 59.3940, 19.8521 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(123, 226, 93) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(123, 226, 93) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(123, 226, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 226, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 226, 93);  
box-shadow:4px 4px 4px 4px rgb(123, 226,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3405, 59.3940, 19.8521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 226, 93) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(123,  
226, 93) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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